Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/07/2020 09:51 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124552	-1	2.72	124695	2.68
Blue	F	SSC	125000	124654	-1	2.24	125444	2.24
Blue	E	FITC	15892	15500	-3	2.97	338	20.83
Blue	D	PE	29999	29178	-3	2.15	635	15.31
Blue	B	PerCP-Cy5-5	43732	43081	-2	3.88	1150	21.05
Blue	A	PE-Cy7	30845	30897	0	6.35	594	42.81
Red	C	APC	46112	44834	-3	2.55	1587	12.36
Red	A	APC-Cy7	30458	29227	-5	2.45	775	12.09
Violet	B	V450	7918	7644	-4	3.90	432	13.00
Violet	A	V500	32171	31193	-4	3.71	729	10.22

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16904	12.94	636	15	N/A	N/A	Pass
Blue	F	SSC	56802	1.66	576	17	N/A	N/A	Pass
Blue	E	FITC	61	64.02	551	8	0.0178	77	Pass
Blue	D	PE	132	49.94	556	8	0.1393	214	Pass
Blue	B	PerCP-Cy5-5	213	50.39	663	7	0.0084	29	Pass
Blue	A	PE-Cy7	111	101.93	709	11	0.0096	5	Pass
Red	C	APC	378	25.25	589	5	0.0230	89	Pass
Red	A	APC-Cy7	172	29.25	560	4	0.0055	1112	Pass
Violet	B	V450	66	57.02	460	2	0.0464	1639	Pass
Violet	A	V500	109	31.87	476	2	0.0231	555	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.16	-32.69	1.03
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.40
Red	16.46	13.60 - 20.40	N/A	N/A	30.06	30.44	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.85

Threshold

Threshold (FSC): 9500

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments